THE

Canadian Society of Civil Engineers.

[illegible]

36 Vict. Cap. [illegible]

MONTREAL.

CHARTER, BY-LAWS

AND

LIST OF MEMBERS.

THE

Canadian Society of Civil Engineers.

(Established Feb. 24, 1887. Incorporated by Dominion Act, June 23rd, 1887.)

50 Vict. Cap. 124.

MONTREAL.

CHARTER, BY-LAWS

AND

LIST OF MEMBERS.

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1887.

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CHARTER

OF

The Canadian Society of Civil Engineers

(Incorporated June 23rd, 1887.)

WHEREAS the persons hereinafter named have, by petition, set forth that it is desirable that they, together with such other persons as may be hereafter associated with them, be incorporated into a society, by the name of "The Canadian Society of Civil Engineers," having for its objects and purposes to facilitate the acquirement and interchange of professional knowledge among its members, and more particularly to promote the acquisition of that species of knowledge which has special reference to the profession of civil engineering, and further to encourage investigation in connection with all branches and departments of knowledge connected with the profession; and whereas it is expedient to grant the prayer of the said petitioners: Therefore Her Majesty, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows:—

1. Thomas C. Keefer, Ottawa; Casimir S. Gzowski, Toronto; John Kennedy, Montreal; Henry T. Bovey, Montreal; Frederick N. Gisborne, Ottawa; Edmund P. Hannaford, Montreal; William T. Jennings, London; Samuel Keefer, Brockville; Louis Lesage, Montreal; Hugh D. Lumsden, Toronto; Allan MacDougall, Toronto; Henry F. Perley, Ottawa; Hurd Peters, St. John, New Brunswick; Peter A. Peterson, Montreal; Henry S. Poole, Stellarton, Nova Scotia; Henry N. Ruttan, Winnipeg; Collingwood Schreiber, Ottawa; Percival W. St. George, Montreal; and Herbert Wallis, Montreal, and

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all other persons who may hereafter be associated with them, shall be and they are hereby constituted a body politic and corporate, under the name of "The Canadian Society of Civil Engineers."

2. The said Society shall have power to acquire and hold all lands and property necessary and required, in order to carry out the objects and purposes for which incorporation is sought, provided that the annual value of the real estate, held at any one time for the actual use of the Society, shall not exceed five thousand dollars; and the said Society shall also have power to sue and be sued, and implead in their corporate name; to make and pass regulations and by-laws for the direction and management of the said Society, including all rules that may be deemed necessary for the maintenance of the honour and dignity of the profession.

3. The said Society shall be governed by a president, vice-presidents and council, to be constituted in such manner as may be provided by the by-laws hereafter to be made, and the persons named in the first section shall constitute such council, until such appointments are made.

4. A meeting of the said council shall be held within six months after the incorporation of the society, for organization, making by-laws, the election of officers and the transaction of any other business that may arise.

5. The head office of the Society shall be in the City of Montreal, or in such other place as may from time to time be determined by a vote of two-thirds of the members of the Society.

BY-LAWS

OF

The Canadian Society of Civil Engineers.

NAME, OBJECTS AND CONSTITUTION.

1. This Society shall be called "THE CANADIAN SOCIETY OF CIVIL ENGINEERS," and be designated by the letters "CAN. SOC. C. E."

2. The objects of this Society shall be, (1) to facilitate the acquirement and interchange of professional knowledge among its members, and (2) to encourage original investigation.

3. The term "Civil Engineer," as used in this Society, shall mean all who are or who have been engaged in the designing or construction of railways, canals, harbours, light-houses, bridges, roads, river improvements and other hydraulic works, sanitary, electrical, mining, mechanical or military works, in the study and practice of navigation by water or air, or in the directing of the great sources of power in nature for the use and convenience of man.

4. The corporate Society shall consist of all those persons who had been admitted previous to its incorporation, together with all those who may be admitted hereafter. They shall be classified as Honorary Members, Members, Associate Members, Associates, and Students. Honorary Members shall not be subject to fees or dues, but shall not be entitled to vote. Associates and Students shall possess all the rights and privileges of Members or Associate Members, except the right to vote or to hold office.

5. Any Honorary Member, Member, Associate Member, Associate or Student, having occasion to designate himself as belonging to the Society, shall state the class to which he belongs, according to the following abbreviated forms:—Hon. M. Can. Soc. C. E., M. Can. Soc. C. E., Assoc. M. Can. Soc. C. E., Assoc. M. Can. Soc. C. E., Stud. Can. Soc. C. E.

OFFICERS.

6. The Officers of the Society shall consist of a President, three Vice-Presidents, Treasurer, Secretary, Librarian, and fifteen Councillors, of whom not more than three may be Associate Members.

7. The Officers shall be elected by a majority of votes taken by sealed letter ballot. This ballot shall be opened and declared at the annual meeting.

If in the ballot, taken for the purpose of filling any specifi office, it should appear that no one person had obtained a majority of the whole votes cast, the meeting shall proceed to vote by ballot in the usual way for the filling of such office, the choice of candidates being limited to the two persons who had previously obtained the greatest number of votes in connection with the said office. In case three or more persons shall equally have received the highest number of votes, the choice shall be made from amongst them by ballot.

8. The President, or in his absence, one of the Vice-Presidents, shall preside at all meetings of the Society. In the event of the absence of the President and of all the Vice-Presidents, the meeting may select any member as chairman, the preference being always given to a member of Council.

9. The Secretary shall keep an accurate record of the transactions of the Society, and of the Council. He shall also keep a correct roll of members' names, with their addresses and the dates of their admission. He shall conduct the correspondence of the Society, and shall give notice of all meetings.

10. The Treasurer shall have charge of the funds of the Society, and shall receive all money, pay all accounts and orders approved of by the President, or by the Chairman of the Finance or of the Library Committees. He shall also deposit and invest the funds of the Society in its name, and always with the approval Council. All accounts exceeding $10 shall be paid in cheques, which shall be signedby the Treasurer and countersigned by two members of the Finance Committee.

11. The Librarian shall take charge of the Library of the Society, and shall mark all books with the name of the Society, number, and record them in a catalogue. He shall conform to such regulations as may be prescribed by the Library Committee.

COUNCIL.

12. There shall be a Council consisting of the President, Vice-Presidents, Secretary, Treasurer, and Councillors, and of this Council five shall constitute a quorum. The duties of the Council shall be—to have a general supervision of the affairs of the Society, to prepare by-laws, to approve and classify candidates before submitting their names to ballot, to fill up vacancies as they occur amongst its members, to apply the funds in the treasury, to recommend the amount of appropriations for specific purposes, and to present a report, at the annual meeting, on the affairs of the Society, embracing the report of the Treasurer. In no case shall the Council incur any expenditure for salaried officers or for extraordinary purposes, unless previously authorized to do so at the annual meeting or at a special general meeting.

The Council shall meet as often as the business of the Society may require.

13. The Council shall meet within one week after its election, and shall appoint, 1st, a Standing Committee of five on Finance, which shall have supervision of the accounts of the Society, shall audit the books of the Treasurer, and shall certify to his annual report, 2nd, a Library Committee of five, which shall have supervision of the rooms, printing, and library of the Society, and shall apply to the purchase of books or other articles of permanent value to the Society such sums as may be granted for that purpose.

QUALIFICATIONS FOR ELECTION.

14. Honorary Members shall be distinguished men, who, by virtue of their position, may be able to further the objects of the Society, or who may be eminent in engineering or kindred sciences, but who are not engaged in the practice of engineering in Canada.

15. Every candidate for election as Member must be at least twenty-five years of age, and must have been engaged in some branch of engineering for at least ten years, which period may include apprenticeship, or pupilage in a qualified engineer's office, or a term of instruction in some school of engineering recognized by the Council. Two years will be allowed to any graduate who has passed with honours in his engineering course. In every case the candidate must have had responsible charge of work as a Resident or Superintending Engineer, or must have held a position of equivalent professional responsibility, for at least five years: and this not merely as a skilled workman but as an engineer qualified to design and direct engineering works.

16. Every candidate for election as Associate Member must have been engaged in some branch of engineering for at least five years, which period shall include apprenticeship or pupilage in a qualified engineer's office, or a term of instruction in some school of engineering recognized by the Council. Two years will be allowed to any graduate who has passed with honours in his engineering course. In every case the candidate must have held a responsible position for at least two years in designing or directing engineering works.

17. Every candidate for election as Associate shall be one who is not Civil Engineer by profession, but whose pursuits, scientific acquirements or practical experience, qualify him to co-operate with Engineers in the advancement of professional knowledge.

18. Every candidate for election as Student must be at least sixteen years of age, and must present a certificate of having successfully passed an examination, equivalent to the final examination of a High School, or to the matriculation examination of an Arts or Science course, and must be pursuing a recognized course of instruction in some branch of engineering, or be receiving a practical training in the profession.

MANNER OF ELECTION.

19. Honorary Members must be nominated by a unanimous vote of the Council, due notice having been given to the members of the said Council of the names of the nominees, and of the meeting at which it is proposed to make the nomination. The election of Honorary Members shall be by vote of the Members of the Society, given in the same manner as in the election of members. The number of Honorary Members shall not, at any one time, exceed twenty.

20. The Secretary shall notify by letter the honorary member of his election, and shall request him to notify the Society of his acceptance of the same within six months. Without such acceptance his election will be cancelled.

21. Proposals for admission to the Society as Member, Associate Member or Associate, or for transfer from one class to a higher, shall be endorsed by at least five members, who shall certify that they personally know the candidate, and that he is worthy of acceptance or promotion. The proposal shall contain a statement, over the candidate's signature, of his age, residence, and the nature and term of his professional service, also an agreement to conform to the regulations of the Society if elected or promoted. The proposals for Students shall be signed by the applicant, and endorsed by one Member.

In the elections for any class or for promotion, Members shall vote by letter ballot in the usual way, and such ballot shall be taken at the first ordinary meeting, held after the lapse of at least twenty five days from the date of mailing the notification. Ten negative votes shall exclude a candidate. In such case of non-election, no record of the transaction shall be kept.

22. On the election of a candidate, he shall be immediately notified by the Secretary (Form B in the Appendix). On receipt of the notification he must subscribe to the Constitution and By-Laws (in the terms set forth in Form C in the Appendix), and pay to the Treasurer the regular fees (see Article 24) before he can be entitled to receive his certificate of membership. If this be not done within six months from the date of the notification of the election, he shall cease to be a member. Membership shall date from the day of election.

DUES.

23. Members, Associate Members, Associates and Students, who reside within 50 miles of headquarters, shall be deemed resident; those who reside beyond the limit of 50 miles shall be deemed non-resident.

24. Each Resident Member shall pay $8.00, and each non-resident Member $6.00, per annum. Each resident Associate Member shall pay $6.00, and each non-resident Associate Member $4.00, per annum. Each Associate shall pay $8.00 per annum. Each Student shall pay one dollar per annum.

25. Every person admitted to the Society, shall be liable for all dues, until he shall have signified to the Secretary, in writing, his desire to withdraw, when, if his dues have been fully paid up, his name will be erased from the list of membership.

26. No person in arrears shall be allowed to vote until all such arrears are paid, and any person admitted to the Society, who shall refuse to pay any dues, or who shall neglect the same for six months, after notice thereof shall have been issued (Form C, in the Appendix), may, by a vote of the Council, be struck off from the roll of membership.

27. All annual subscriptions shall become due on the first day of January in each year, for the year then commencing, and must be paid before the 1st of April of that year. It shall be the duty of the Secretary to notify each member of the amount due for the ensuing year, at the time of giving notice of the annual meeting.

28. The amount of the annual dues, to be paid for the support of the Society, may be changed from time to time at the annual general meeting of the Society, provided that notice of intended action thereon shall have been given to the members, two months previously, by circular. No alteration in the amount of said fees shall apply to the fiscal year during which it is made, but shall take effect on and after the first day of January next succeeding the date of such alteration. Those who become resi-

dent or non-resident by removal of residence, shall be subject to the dues of the class to which they belong at the date of the annual meeting, as may be shewn by the records of the Society, or by a written notice to the Secretary.

29. The Council may, for sufficient cause, exempt from payment of annual dues any member distinguished in his professional career, who from ill health, advanced age, or for other good reason assigned, does not continue to carry on a lucrative practice, and is unable to pay such dues. The Council may remit the whole or part of any arrears, or accept, in lieu thereof, desirable additions to the library and museum.

EXPULSION.

30. Upon the request of ten or more members, that, for causes specified, a person belonging to the Society should be expelled, the Council shall consider the matter, and, if there be sufficient reason, shall advise the accused that his resignation will be accepted. He may, upon demand, receive a copy of the charges against him, and present a written defence. Two months after such action on his part, the Council shall finally consider the case, and, if resignation has not been tendered, or a satisfactory defence made, will then notify the member that he will be expelled in one month, unless he elects to appeal from this decision. Appeals shall be voted on by the Society by letter ballot, and the Council shall notify the accused and the Society of the result. In case no appeal is made, the Council shall expel the accused, and notify him and the Society of the same, and such notification shall in any event be the only notice, public or private, taken of the matter.

BRANCHES.

31. A local branch of the Society may be established under the authority of the Council, at the request of not fewer than ten members, who are desirous of forming themselves into such local branch, in any place not less than one hundred miles distant from the headquarters of the Society, or from any existing branch. The establishment of a branch shall not release

members from any of their obligations to the Society, whether as regards fees or membership in any class.

32. Local branches, although formed strictly of members of the Society, may be distinguished by the name of their locality, as for example "The.....Branch of the Canadian Society of Civil Engineers."

33. The officers of local branches shall be a Chairman and Secretary-Treasurer, who shall be elected by the members of the branch.

34. All classes of members of local branches must be elected by the Society in the usual way, and shall enjoy the privileges, and shall be subject to all the conditions of resident or non-resident members of the Society in their respective classes (see Clauses 14 to 18), and in no case shall their numbers be added to locally or otherwise than in the regularly prescribed way.

35. Members of a local branch shall pay to the Society the fees of a resident member of the Society, and the Society shall remit to the branch, on application of the Secretary-Treasurer, the difference between a resident and non-resident's fees. The Society shall not be liable for any expenses incurred by a branch.

36. The regular meetings in all branches shall be held on the same date as the corresponding meetings of the Society at head-quarters.

37. In by-laws, rules of order, &c., and in particulars not specially referred to, the branches shall conform to the methods and rules adopted by the Society.

MEETINGS.

38. The meetings of the Society shall be as follows :—

(a). The Annual Meeting of the Society for the election of Officers shall be held on the second Tuesday in January, or on such other day as the Council may direct. The Council shall lay before the meeting a report of the standing of the Society with a statement of the Treasurer, verified by the Committee on Finance,

of the funds of the Society, and the receipts and payments during the year ended on the 31st December preceding. At such annual meetings, fifteen voting members shall constitute a quorum. A notice of twenty-one days shall be required for an annual meeting.

(b). Special General Meetings of the Society may be called, by order of the Council, for the transaction of special business. The quorum at a special General Meeting shall be fifteen.

A notice of twenty-one days shall be required for a special General Meeting.

(c). Ordinary Meetings of the Society shall be held, at eight o'clock in the evening, on every alternate Thursday during the months of October, November, December, January, February, March, April, May and June, commencing with the second Thursday in October, but it shall be in the power of an ordinary meeting to make such changes in these dates as may be deemed advisable.

The business of an ordinary meeting shall be transacted as nearly as possible in the following order :—

(a). The minutes of the preceding meeting to be read, approved, and signed by the Chairman and Secretary.

(b). Business arising out of the minutes to be discussed.

(c). Candidates for membership to be balloted for.

(d). Candidates for admission into the Society to be announced.

(e). Communications from the Council to be considered.

(f). New business to be proposed.

(g). Original papers to be read and discussed.

PAPERS.

39. All papers shall be forwarded to the Secretary of the Society, when they will be examined by the Council, and if deemed of sufficient interest, copies shall be made and sent to every branch of the Society. Such papers shall be read and presented for discussion at all branches, at the same time as at the headquarters of the Society, or as soon thereafter as may be practicable. A report of the discussion at the branches shall be forwarded to the

Secretary of the Society within one week after the date fixed for the reading by the Society.

40. The papers shall be the property of the Society, and no publication of any papers or discussion shall be made, except *by the Society*, or under its express permission.

AMENDMENTS.

41. These by-laws may be added to or amended at an annual meeting by a two-thirds vote of the members, taken by sealed letter ballot, provided that notice of the proposed change shall have been given at least two months previous to the said meeting.

MEMBERS.

(M.C. Soc. C.E.)

1887 Jan. 20.	ABBOTT, J.,	Windsor Hotel, Montreal.
"	ANDERSON, W. P.,	Dept. of Marine, Ottawa.
"	ARMSTRONG, H. W. D.,	Alexandria, O.
"	ARMOUR, R.,	Hamilton, O.
	AYLMER, J. A.,	Peterborough, O.
	ARMSTRONG, J. S.,	Fraserville, Q.
Feb. 3.	ABBOTT, H.,	Port Moody, B.C.
" 24.	ALLOUR, J. F.,	Hamilton, O.
Apr. 28.	ATKINSON, R.,	171 St. André St., Montreal.
June 25.	ARNOLDI, J. R.,	Dep. Pub. Wks., Ottawa.

Jan. 20.	BARBER, J. H.,	London, O.
"	BARNETT, J. D.,	Port Hope, O.
"	BEAUDRY, J. A. U.,	126 St. James St., Montreal.
"	BECKWITH, A. J.,	Fredericton, N.B.
"	BOSWELL, St.G., B.A.Sc.,	Harb. Works, Quebec.
"	BOVEY, H. T., PROF., M.A.,	McGill Coll., Montreal.
	(Secretary-Treasurer).	
"	BRITTAIN, A.,	City Hall, Montreal.
"	BUTLER, W. R., PROF., M.A.,	King's Coll., Windsor, N.S.
"	BUTLER, M. J.,	Napanee, O.
Feb. 3.	BARTLETT, J. H.,	151 St. James St., Montreal.
" "	BROWN, F. R. F.,	C.P.R., Montreal.
" "	BLACKWELL, K.,	893 Sherbrooke St., Montreal.
" 24.	BARLOW, J. R.,	City Hall, Montreal.
" "	BERRYMAN, E.,	238 St. Martin St., Montreal.
" "	BLAIKLOCK, M. S.,	G.T.Ry., Montreal.
" "	BEEVOR, A. F.,	G.T.Ry., Montreal.
" "	BRUSH, G. S.,	Eagle Foundry., Montreal.
" "	BOLLAND, P. J.,	G.T.Ry., Montreal.
Mar. 12.	BAYNE, G. A.,	Winnipeg, Man.
June 9.	BOLGER, T. O.,	Belleville.
" "	BURCHELL, H. C.,	St. John, Newfoundland.
" 25	BREEN, T.,	Dep. Pub. Wks., Ottawa.

1887 Jan.	20.	CADMAN, J.,	Quebec
"		CARRE, H.,	Brockville, O.
"		CRAWFORD, W.,	St. Catharines, O
"		CIMON, S.,	Murray Bay, Q.
		COSTE, L.,	Dep. Pub. Wks., Ottawa
Feb.	3.	CUNNINGHAM, G. C.,	Rivière du Loup, Q
	24.	CHAPMAN, C. H.,	4 Selby St., Toronto
"		CAME, F. E.,	Dom. Bridge Co., Lachine
"		COLLINS, J. J.,	Ottawa.
June	9.	CHIPMAN, W., B.A.Sc.,	Brockville.
"	25.	CLEMENT, L. M.,	1013 Central Av., Oakland, Cal.

Jan.	20.	DAVY, R. A.,	Fraserville, Q.
		DENIEL, E.,	162 St. James St., Montreal.
"		DOMVILLE, C. K.,	Hamilton, O.
		DODWELL, C. E.,	Ste. Anne de Bellevue.
"		DRUMMOND, G. A.,	864 Sherbrooke St., Montreal.
Feb.	24.	DRURY, E. H.,	Brownville, Maine.
"	"	DAWSON, W. B., B.A.Sc.,	243 University St., Montreal.
Apr.	14.	DYER, J.,	363 St. Antoine St., Montreal.
A.M. Feb. 24 / M " Apr. 14		DUFFY, A.,	Dep. Pub. Wks., Ottawa.
June	9.	DONKIN, H.,	Port Hawkesbury, N.S.
"	"	DOUCET, A. E.,	St. John, Q.

Feb.	24.	EVANS, E. A.,	Fort Coulonge, Q.
"	"	EVANS, J. D.,	Trenton, O.

Jan.	20.	FELLOWS, G. R.,	121 Nepean St., Ottawa.
"		FORSYTH, R.,	130 Bleury St., Montreal.
"	"	FOWLER, L. J.,	Doaktown, N.B.
Feb.	3.	FRANKS, C. B.,	Hamilton, O.
"	24.	FIRTH, C.,	C.P.Ry., Montreal.
Apr.	28.	FOSTER, P. L., B.A.Sc.,	C.P.Ry., Greenville, Me.

1887 Jan. 20.	GALBRAITH, PROF. J.	University, Toronto
"	GAMBLE, F. C.	Pub. Wks. Dep., Victoria, B.C.
"	GARDEN, G. H.	St. Louis de Chambord.
"	GILBERT, E. E.	Can. Engine Wks., Montreal.
"	GIUSEPPI, F.	Can. Engine Wks., Montreal.
	GISBORNE, F. N. (*Member of Council*)	Gov. Tel. Service, Ottawa.
"	GRAY, H. A.	Dep. Pub. Wks., Ottawa.
"	GUERIN, T.	Dep. Pub. Wks., Ottawa.
"	GZOWSKI, C. S. (*Vice-President*).	Toronto, O.
"	GIBSON, P. S.	Willowdale, Co. York, O.
Feb. 3.	GILBERT, W. W.	Can. Engine Wks., Montreal.
May 12	GOWER, W. E.	76 Union Av., Montreal.
June 9	GRANT, P.	Port Hawkesbury, N.S.

Jan. 20.	HAMEL, F. M.	Dep. Pub. Wks., Ottawa.
"	HANNAFORD, E. P. (*Member of Council*)	G.T.Ry., Montreal
	HARRINGTON, T. W.	113 Mountain St., Montreal.
	HARRIS, PROF. R. C.	Royal Mil. Coll., Kingston, O.
	HENDERSON, G. G.	Smith's Falls, O.
	HENSHAW, G. H.	43 Victoria St., Montreal
	HOARE, E. A.	93 St. Peter St., Quebec.
	HOBSON, J.	Hamilton, O.
	HILLMAN, T. E.	Box 512, Sarnia, O.
	HOLLAND, G.	G.T.Ry., Montreal.
	HYNDMAN, P. K.	Dep. of Ry. & Canals, Ottawa.
	HOWARD, S.	C.P.Ry., Montreal.
Feb. 3.	HILL, A. J., M.A.	New Westminster, B.C.
24.	HAY, T. A.	Peterborough, O.
	HARKOM, J. W.	Richmond, Q.
Apr. 14.	HERSEY, J. R.	91 St. Peter St.
28.	HIBBARD, F. A.	St. Armand Station, Q.
June 25.	HILL, A.E.B., B.A. Sc.	Vancouver, B. C.

Jan. 20.	JENNINGS, W. T. (*Member of Council*).	London, O.
Feb. 24.	JOHNSON, E. V.	Dep. of Rys. & Canals, Ottawa.

1887 Jan. 20	KEEFER, T. C., *C.M.G.*, (*President*).	Ottawa.
	KEEFER, S. (*Member of Council*)	Brockville, O.
	KEEFER, C. H.	Perth, O.
	KENNEDY, J. (*Vice-President*)	Harbour Office, Montreal.
	KILLAM, H.	Morrisburg, O.
	KINGSFORD, W.	Ottawa.
Feb.	KEEFER, G. A.	Victoria, B.C.
" 24	KENNEDY, W. (Jun.)	Owen Sound, O.
Jan. 20.	LA VALLEE, F. B.	City Hall, Montreal.
	LAFLEUR, E.	Dep. Pub. Wks., Ottawa.
"	LAWRIE, W. H.	163 St. Hubert St., Montreal.
"	LESAGE, L. (*Member of Council*).	City Hall, Montreal.
"	LeDUC, D.	Campellton, N.B.
"	LUMSDEN, H. D. (*Member of Council*)	C.P.Ry., Montreal.
May 12	LYNCH, F. J.	Dep. of Rys. & Canals, Ottawa.
Jan. 20	MONROE, T.	St. Catharines, O.
"	MOUNTAIN, G. A.	Can. At. Ry., Ottawa.
"	MURDOCH, W.	Port Arthur, O.
"	MACDOUGALL, (*Member of Council*)	City Hall, Toronto.
"	MASSEY, G. H.	C.P.Ry., Montreal.
Feb. 3	MATHESON, W. G.	New Glasgow, N.S.
" "	MEADOWS, J.	510 Ontario St., Toronto.
"	MURPHY, M.	Halifax, N.S.
"	MIDDLETON, T.	17 Donegana St., Montreal.
" 24.	MILLER, F. F., B.A.Sc.	Napanee, O.
" "	MOFFATT, J. W., B.A.Sc.	C.P.R., Sault Ste. Marie, O.
" "	MACKLIN, J. G.	Peterborough, O.
May 12	MARCKAU, E.	48 Sparks St., Ottawa.
June 9	METCALFE, C. P.	Dom. Bridge Works, Lachine.
" 25.	MOLESWORTH, B. N.	St. Catharines, O.

1887 Jan. 20	MACLEOD, H. A. F.	49 McCaulfe St., Ottawa.
"	McLEOD, C. H., PROF. MA.E.	McGill Coll., Montreal
"	MACPHERSON, D.	C. P. Ry., Montreal
"	McCONNELL, B. D.	City Hall, Montreal
"	McMINN, T. J.	Water Works, Toronto
Feb. 3	McNAB, W.	G.T.Ry., Montreal
"	MACCULLOCH, H.	City Hall, Toronto
"	McWOOD, W.	G.T.Ry., Montreal
June 9	MACLEOD, M. H.	Fenelon Falls, O.
" 25.	McMILLAN, D.	Breadalbane, N. B.
Jan. 20	NELSON, J. M.	Harbour Office, Montreal
Feb. 24	NASH, G. R.	G.T.Ry., Montreal
Jan. 20	O'HANLY, J. L. P.	Ottawa, O.
"	POOLE, H. S. (*Member of Council*)	Stellarton, N. S.
"	PETERS, H. (*Member of Council*)	Halifax, N.S.
"	PLUNKETT, E. W.	Brockville, O.
"	PARENT, E. H.	Canal Office, Montreal
"	PETERSON, P. A. (*Member of Council*)	C.P.Ry., Montreal
"	PERLEY, H. F. (*Member of Council*)	Dept. Pub. Wks., Ottawa
Feb. 24	PATTON, J. N.	69 Baldwin St., Toronto.
"	PRINGLE, T.	2439 N. Dame St., Montreal.
"	PIM, J. P., B.A., C.E.	C.P.Ry., Chelsea, Q.
May 12.	PAGE, J.	Dept. of Canals, Ottawa.
June 25.	PRATT, R. M.	Winnipeg, Man.
Feb. 24.	QUIRK, E. P.	Box 1497, Montreal.
Jan. 20.	RANNEY, G. W.	Peterborough, O.
"	RHEAUME, L. N.	Morrisburg, O.
"	ROBERTSON, G. E.	Dickinson's Landing, O.
"	REDPATH, F. R.	Can. Sugar Ref., Montreal.
"	RUTTAN, H. N. (*Member of Council*).	City Hall, Winnipeg
"	RIDOUT, T.	Dep. Ry's. & Canals, Ottawa.

1887 Feb 3	Rust, C. H.	City Hall, Toronto
" 24.	Robertson, W. F., B.A.Sc.,	Pva. de Huelva, Spain
" "	Rosamond, J. E.	Brighton, O.
Apr 14	Rhodes, A.	184 Mansfield St., Montreal
May 12	Rogers, R.B.B.A.Sc.	Peterborough, O.
Jan 20	Shewen, E. T. P.	Cape Tormentine, N.B.
"	Stanton, H. G.	Ste. Anne de Bellevue, Q.
"	Scott, W. L.	Sorel, Q.
	ST. GEORGE, P. W.	City Hall, Montreal
	(*Member of Council*)	
"	Shackleton, J. W.	Chatham, O.
"	Simpson, J.	23 Coursol St., Montreal
"	Smith, H.	Crown Lands Dept., Toronto.
"	Snow, W. B.	Dept. Pub. Wks., Ottawa
"	Sproatt, C.	City Hall, Toronto
"	Sproule, W. J.	Flood Commission, Montreal
"	Stokes, J. T.	Box 509, Toronto
	Sutton, E.	City Hall, Ottawa
Feb 3	Symmes, H. C.	Niagara Falls, O.
" "	Smith, A. H.	G.T.R., Toronto
" 24	SCHREIBER, C.	Dept. Rys. & Canals, Ottawa
	(*Member of Council*)	
"	Simpson, F.	Woodstock, O.
" "	Sykes, S. H.	C.P.R., Sherbrooke, Q.
" "	Stewart, R. C.	Hamilton, O.
" "	SHANLY, W. M.P.	St. Lawrence Hall, Montreal
	(*Vice-President*)	
A. Jan 20 / M. April 14.	Staunton, F. H. Lynch	Hamilton, O.
May 12	Somerville, F. L.	Campbellton, N.B.
June 9	Schaub, J. W.	Windsor Hotel, Montreal
Apr. 28	Tate, R. F.	C.P.Ry., Montreal
"	Timswell, A. T.	Winnipeg, Man.
May 12	Trudeau, T.	Dep. Rys. & Canals, Ottawa
Jan 20	White, T. H.	Kemptville, O.
"	Wickstead, H. K., B.A.Sc.	Port Arthur, O.
"	Walbank, W. McL., B.A.Sc.	214 St. James St., Montreal
"	WALLIS, H.	G.T.Ry., Montreal.
	(*Member of Council*).	
"	Wanklyn, F. N.	G.T.Ry., Montreal
"	Wise, F. A.	Dep. Rys. & Canals, Ottawa
"	Wragge, E.	G.T.Ry., Toronto
Feb. 24.	Webster, G. H.	Portage La Prairie, Man.
"	Wilson, J.	G.T.Ry., Montreal.

ASSOCIATE MEMBERS.

(Assoc. M.C. Soc. C.E.)

1887 Jan. 20.	Archbald, H. B.A.Sc.	Durocher St
June 25.	Aylmer, H. B.,	Aylmer, P. Q
Feb. 24.	Berlinguet, T	Three Rivers, Q.
"	Burns, D.	261 Simcoe St. Toronto
June 9.	Bannister, H.	Fort Coulonge, Q
" 25.	Baker, C. S.	P. O. Box 1085, Montreal.
" "	Busteed, F. F	Algoma Mills, O.
Feb. 24.	Crewe, H.	Toronto
"	Crowley, C. J.	G.T.R., Toronto
"	Chalonier, C.	Dept. Pub. Wks., Ottawa
"	Cairnie, G. F.	Peterborough, O
Feb. 24.	Davis, W. M.	Woodstock, O
June 25.	Dowling, D. B., B.A. Sc.,	Geol. Survey, Ottawa
Jan. 20.	Fleming, S. H.	Ottawa, O.
"	Gauvin, C. E.	Quebec.
Feb. 3.	Gardiner, E.	St. Catharines, O.
June 9.	Gisborne, H.	Battleford, N.W.T.,
" 25.	Giroux, N. J.	Geol. Survey, Ottawa.
Feb. 3.	Hodgins, A. E.	Sherbrooke, Q.
"	Houghton, F.	44 Lorne Av., Montreal
"	Hooper, G. R.	C.P.R., Montreal.
" 24.	Heckman, J. W.	Hawkesbury, C.B.
May 12.	Haynes, J., Prof.	162 St. James St., Montreal
June 25.	Hall, C. H.	Sault Ste. Marie, O.
Jan. 20.	Kennedy, J. H.	Woodstock, O.
June 25.	Keeley, D. H.,	Govt. Tel. Service, Ottawa.

1887 Jan. 20	LESAGE, T. W., B.A.Sc.	City Hall, Montreal.
"	LEONARD, R. W.	Brantford, O.
Feb. 24.	LANGUEDOC, G. H.	162 St. James St., Montreal
"	LANTIER, E.	93 St. Peter St., Quebec
June 25	LACKIE, A. R. T.	139 Wellesley St., Toronto.
" "	LOW, A. P., B.A.Sc.	Geol. Survey, Ottawa
Feb. 3	MACKAY, A.	Victoria, B.C.
" 24	MORRIS, J. L.	Pembroke, O.
Jan. 20	McLEAN, A. J., B.A.Sc.	Lancaster, O.
Feb. 3	McDOUGALL, J.	Wingham, O.
" 24	McDONELL, A.	Chatham, O.
Feb.	ORD, L. R.	C.P.Ry., Algoma Mills
"	O'HANLY, J. M.	352 Dale St., Ottawa
May 12	OSTLER, C. H.	Kingston, Q.
Jan. 20	PELTIER, L. J.	Montreal
"	PERRAULT, E. E.	City Hall, Ottawa
Feb. 24	PAPINEAU, A. J.	St. Johns, P.Q.
"	PARISEAU, L. S.	St. Johns, P.Q.
May 12.	PERRON, P. A.	Campbellton, N.B.
Feb. 3.	RUSSELL, W. W.	Port Arthur, O.
" 24.	ROY, J. R.	631 Sherbrooke St., Montreal.
Feb. 24	STECKEL, R.	Dept. Pub. Wks., Ottawa
"	SHANLY, J. M.	St. Lawrence Hall, Montreal
June 25.	SMITH, W. H. C.	Geol. Survey, Ottawa.
Jan. 20.	THOMPSON, R.	C.P.Ry., Montreal
" "	TURNBULL, J.	Perth, O.
Jan. 20.	VANIER, J. E.	61 St. James St., Montreal
Feb. 24.	WILDE, J. A.	C.P.R., London, O.
June 9.	WILSON, H.	Mount Forrest, O.
" 25.	WOODS, J. E.	Aylmer, P. Q.

ASSOCIATES.

(Assoc. C. Soc. C.E.)

1887 Feb. 24.	ABBOTT, W.,	55 St. Sulpice St., Montreal.
April 28.	ARMSTRONG, J. F.,	Campbellton, N.B.
Jan. 20.	BELL, DR. R., B.A. Soc., F.R.S.C.,	Geological Survey, Ottawa.
April 14.	BROWN, T. B.,	14 Custom House Sq., Montreal.
Jan. 20.	CHADWICK, F.,	704 Sherbrooke St., Montreal.
Feb. 3	CHAMPAGNE, E.,	City Hall, Montral
April 28	DAWSON, G. M., Ph.D.,	Geological Survey, Ottawa.
"	EDWARDS, DR. B. J.,	Alexander St., Montreal.
Jan. 20.	LECKIE, R. G.,	Springhill, N.S.
" "	PECK, J.,	Ontario Av., Montreal.
" "	REYNOLDS, F.H.,	St. James St., Montreal.
" 14.	REEVES, G. R.,	St. John St., Montreal.
" "	RIELLE, J.,	146 St. James St., Montreal.
June 9.	REID, R. G.,	Lachine.
May 12	SKAIFE, W. T., B.A. Sc.,	Can. Sugar Ref., Montreal.
June 25.	SCOTT, A.,	Quebec.
Jan. 20	TIDSWELL, W. O.,	Hamilton, O.
"	TAYLOR, A. T., M.R.I. B.A.,	St. Frs.-Xavier St. Montreal.
Apr. 15.	TAYLOR, J.,	16 St. John St., Montreal.
May 12.	TROTTER, W. C.,	St. Johns, Q.

STUDENTS.

(Stud. C. Soc. C.E.)

1887	Jan. 20.	Addy,	Sherbrooke, Q.
	Feb. 24	Ashbridge, W.	Leslie P.O., Toronto.
	"	Apsey, J. F.,	53 Elgin Co., Toronto.
	May 12	Antliff, J. H.	64 Windsor St., Montreal.
	June 25.	Austin, A. F. B.,	Thessalon, O.
	Feb. 24	Burke, M. A.	286 Simcoe St., Toronto.
		Brown, D. B.,	22 Spadina Av., Toronto.
		Bolton, A. H.	22 Spadina Av., Toronto.
		Burns, J. C.,	Kirkton, O.
	Jan. 20.	Ball, J. P., B.A.Sc.	Charlottetown, P.E.I.
		Bertrand, J. T.	Isle Verte, Q.
	Apr. 28	Brooke, N. E.,	Sherbrooke, P.Q.
	June 25.	Bitchell, W. S.	Peterborough, O.
	"	Bowman, F. A.,	58 Queen St., Halifax, N.S.
	Jan. 20	Childs, A. E.	176 Mountain St., Montreal.
	Feb. 24	Caswell, W. A., B.A.Sc.	Woodstock, O.
		Colquhoun, W. E.,	University Coll., Toronto.
		Chalmers, W. G.,	184 Richmond St., Toronto.
		Clement, W. A.	Niagara, O.
	"	Coyle, J.,	259 Church St., Toronto.
	Apr. 15	Carmichael, W. J.	Longueuil, Q.
	"	Chauveau, J. H.	Murray Bay, Q.
	May 28	Cartwright, C. E.	Fort Coulonge, Q.
	Jan. 20	Drummond, A. L.	504 Sherbrooke St., Montreal.
	Apr. 14	Doane, F. W. W.	Halifax, N.S.
	June 25	Dawson, G. H.,	Ste. Anne de Bellevue.
	" "	Dimock, A. H., C. E.,	Windsor, N.S.
	Jan. 20	Ennis, A. G.	[illegible] Morland St., Montreal.
	Jan. 20.	Fornerret, V. F. W.	Berthier, P.Q.
	Feb. 24	Forbes, C. W.	Peterborough, O.
	"	Fawell, S. H.	247 Huron St., Toronto.
	June 9.	Fitzgerald, J.	Peterborough, O.

1887 Feb. 24.	Gibbons, J.,		Renfrew, O.
1887 Jan. 20.	Green, C.,		Newboro', O.
"	Hopkins, M. W.,		McGill Coll., Montreal.
" Feb. 24.	Haultain, H. E. T.,		286 Simcoe St., Toronto.
" "	Hanning, G. F.,		135 Bloor St., Toronto.
" Apr. 14.	Hunter, R. E.,		Three Rivers, Q.
" May 28.	Hamel, J. N. A.,		Murray Bay, Q.
" June 25.	Henderson, E. E.,		Wardsville, O.
" " "	Hersey, M. L.,		Pillow, Hersey & Co., Mont.
" Feb. 24.	Irvine, J.		20 Buchanan St., Toronto.
1887 Jan. 20.	Jonah, F. G.,		I. C. R'y., Moncton, N.B.
" June 25.	Jennison, W. F.,		Windsor, N. S
Jan 20.	Lea, S. R.,		Crapaud, P.E.I.
Feb. 24.	Loggie, C. E.,		McGill Coll., Montreal.
"	Loignon, A.,		Ec. Polytechnique., Montreal.
"	Loignon, E.,		" " "
"	Lease, J. L.,		388 Church St., Toronto.
"	Lott, A. E.,		80 Darey St., Toronto.
June 9.	Locke, R. T.,		Halifax, N.S.
" 25.	Lough, W. H.,		Harbour Office, Montreal.
1887 Jan. 20.	Mooney, G. H.,		38 Victoria St., Montreal.
"	Macnutt, C. H.,		Ottawa, O.
Feb. 24.	Moore, J. H.,		44 Cecil St., Toronto.
"	Mickle, G.,		Queen's Park, Toronto.
"	Murray, R. W.,		Rossmore, O.
"	Mattice, C. D.,		Kincardine, O.
"	Marain, C. J.,		29 Avenue St., Toronto.
"	Martin, F.,		4 Walton St., Toronto.
"	Mill, F. X.,		Toronto.
1887 Jan. 20.	McCarthy, J. M.,		Sorel, P.Q.
"	McLennan, M. J.,		Williamstown, O.
"	McFarlane, M. C.,		Almonte, O.
"	McKenzie, C. P.,		Danville, Q.
Feb. 24.	McDowell, R.,		Owen Sound, O.
"	McFarlen, G. W.,		196 Elizabeth St., Toronto.
Apr. 28.	McGregor, J. H.,		174 Mountain St., Montreal.
" 14.	Naismith, P. L.,		Pembroke, O.

1887	Jan. 20.	PALMER, R. E.,	Charlottetown, P.E.I.
	Feb. 24.	PINKEY, C. H.,	630 Wellington St., Ottawa.
	"	PEAKE, C. H.,	27 Isabella St., Toronto.
	"	PETERSON, C. E.,	20 Buchanan St., Toronto.
	June 25.	PRAT, R.,	Kentville, N.S.

1887	Jan. 20.	REDPATH, P. W.,	1065 Sherbrooke St., Montreal.
	"	REED, C. B.,	232 Stanley St., Montreal.
	"	RINFRET, R.,	St. Stanislas de Batiscan, Q.
	Feb. 24.	RITCHIE, N. T.,	259 Church St., Toronto.
	"	ROY, F. X. A.,	McGill Coll., Montreal.
	"	ROGER, J.,	88 Darey St., Toronto.
	"	ROSE, L.,	Dunbar, O.
	"	RICHARDSON, G. H.,	46 St. Joseph St., Toronto.
	Apr. 28.	RAMSAY, H. M.,	Cote St. Antoine, Montreal.
	June 25.	REID, W. M.,	478 Guy St., Montreal.

1887	Feb. 24.	SHILLINGLAW, W. H.,	107 McCaul St., Toronto.
	Apr. 28.	SIMARD, O.,	701 St. Catherine St., Montreal.

1887	Jan. 20.	TUPLIN, T. B.,	New Annan, P.E.I.
	"	TREMBLAY, A. J.,	St. Roch des Aulnets, Q.
	"	TAYLOR, D.,	Waterloo, Q.

1887	Jan. 20.	WHITE, F. W.,	Militia Dept., Ottawa.
	Feb. 24.	WICKETT, T.,	80 Hevy St., Toronto.
	"	WILKIE, G.,	270 Wellington St., Toronto.
	"	WILLSON, C. H.,	11 Grenville St., Toronto.
	"	WRIGHT, C. H. C.,	316 Bathurst St., Toronto.

APPENDIX.

FORM A.

The Canadian Society of Civil Engineers.

The proposal for MEMBER, ASSOCIATE-MEMBER, ASSOCIATE, or STUDENT shall contain a statement, over the *candidate's signature*, of his *age*, *residence*, the nature and term of his *professional service*, andthat he will conform to the requirements of membership if elected.

STATEMENT.

I .....

residing at .....

being desirous of admission into the Canadian Society of Civil Engineers, beg to submit the following as my professional record.

I was born at ..... *on* .....18.....

The Candidate must here insert a concise history, with dates, of his professional career, specifying the positions he has held, the nature and extent of the works upon which he has been engaged, and his present profession or occupation. Proper names and names of railroads must be written in full.

I will conform to the requirements of the class to which I may be elected.

(Signature) .....

(P. O. Address) .....

Date .....18.....

On the grounds stated, and because WE BELIEVE HIM FROM PERSONAL KNOWLEDGE *to be in* ALL RESPECTS A PROPER PERSON *to be admitted into the Canadian Society of Civil Engineers*, WE HEREBY RECOMMEND FOR ELECTION

Mr ..... *of* .....

To be signed by at least five Members of the Canadian Society of Civil Engineers.

(One signature sufficient for Student.)

FORM B.

The Canadian Society of Civil Engineers.

MONTREAL, 188

Sir,

I have the honour to inform you that, having been proposed by Messrs.

you were duly elected .....

of THE CANADIAN SOCIETY OF CIVIL ENGINEERS, *on the* .....

..... *day of* .....

According to the Regulations of the Society, you are required as .....

..... *to pay* $ ..... *being your subscription for the current year, and to return the accompanying Form C., with your signature, within three months of the date of your election; otherwise your election will be cancelled. These conditions being complied with, you will be considered as admitted into the Society, when any publications or notices to which you are entitled, will be forwarded according to your directions.*

I beg to call your attention to Section 26 of the By-Laws.

I am, Sir,

Yours, &c.,

Sec.-Treas.

FORM C.

The Canadian Society of Civil Engineers.

I, the undersigned, being elected .....

of THE CANADIAN SOCIETY OF CIVIL ENGINEERS, *agree to be governed by the Charter and By-Laws of the Society, I will promote the objects of the Society as far as shall be in my power, and attend the meetings thereof as often as I conveniently can. Provided that whenever I shall signify in writing to the Secretary for the time being, that I am desirous of withdrawing my name therefrom, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.*

I also engage to present to the Society an original Communication, a drawing, plan, or model of engineering interest, or some scientific work for the library, within the space of twelve months from the date of my election.

Signature

P. O. Address

Date 18